

The Commonwealth of Massachusetts

1923

ASSESSMENTS

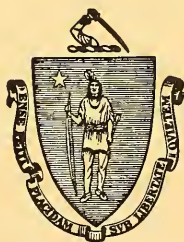
FOR

INTEREST, SINKING FUNDS, SERIAL BONDS
AND MAINTENANCE

OF THE

METROPOLITAN DISTRICTS

ISSUED BY THE
TREASURER AND RECEIVER-GENERAL



The Commonwealth of Massachusetts

TREASURY DEPARTMENT, Sept. 1, 1923.

Under the provisions of section 11 of chapter 10 of the General Laws the following computations for annual assessments for interest, sinking fund, serial bond payments and maintenance for 1923, to be paid by the cities and towns comprising the metropolitan districts, are compiled and printed as a public document and herewith submitted.

There have been issued during the year 1923, on account of the Metropolitan District, bonds to the amount of \$880,000, bearing interest at the rate of 4 per cent. These bonds are divided as follows: —

Metropolitan Parks, Series 2, Loan.

- \$100,000. Chapters 300, General Acts of 1915, 220, General Acts of 1917, providing for the construction and maintenance of a new bridge over the Neponset river between the cities of Boston and Quincy. The annual serial bonds and interest requirements shall be assessed and paid as follows: 20 per cent. by the city of Boston; 15 per cent. by the city of Quincy; 5 per cent. by the county of Norfolk; $2\frac{1}{2}$ per cent. by the county of Plymouth; 15 per cent. by the Bay State Street Railway Company or such other street railway company as shall have a location on said bridge; $21\frac{1}{4}$ per cent. by the cities and towns of the metropolitan district; and $21\frac{1}{4}$ per cent. by the Commonwealth.
- \$450,000. Chapters 238, General Acts of 1919, 380 and 540, Acts of 1922, providing for the construction and completion by the Metropolitan District Commission of Neponset bridge over the Neponset river between the cities of Boston and Quincy. The annual serial bonds and interest requirements shall be assessed and paid as follows: $23-9/17$ per cent. by the city of Boston; $17-11/17$ per cent. by the city of Quincy; $5-15/17$ per cent. by the county of Norfolk; $2-16/17$ per cent. by the county of Plymouth; 25 per cent. by the cities and towns of the Metropolitan district; and 25 per cent. by the Commonwealth.

Metropolitan Sewerage Loan, North System.

- \$150,000. Chapter 529, Acts of 1922, providing for the construction of additional sewers in the north and south Metropolitan Sewerage districts. The annual serial bonds and interest requirements to be assessed upon and paid by the cities and towns of the Metropolitan Sewerage district, north system.

Metropolitan Sewerage Loan, South System.

- \$80,000. Chapter 529, Acts of 1922, providing for the construction of additional sewers in the north and south Metropolitan Sewerage districts. The annual serial bonds and interest requirements to be assessed upon and paid by the cities and towns of the Metropolitan Sewerage district, south system.

Metropolitan Water Loan.

- \$100,000. Chapter 530, Acts of 1920, authorizing the Metropolitan District Commission to make certain expenditures for the improvement and development of the metropolitan water district. The annual serial bonds and interest requirements to be assessed upon and paid by the cities and towns of the metropolitan water district.

The following sections of chapter 92 of the General Laws show the manner of computing the proportions in which the cities and towns of the several metropolitan districts shall annually pay money into the treasury of the Commonwealth to meet the assessments against said districts:—

Metropolitan Sewer.

SECTION 5. The proportions in which each of the towns belonging in whole or in part to the north metropolitan and south metropolitan sewerage districts, respectively, shall annually pay money to the commonwealth to meet interest and sinking fund requirements for each year, as estimated by the state treasurer, and to meet any deficiency in the amount previously paid in, as found by him, shall be based upon the respective taxable valuations of the property of said towns, as last established by the general court as a basis of apportionment for state and county taxes.

SECTION 6. The proportions in which each of the towns belonging in whole or in part to either sewerage district shall annually pay money into the treasury of the commonwealth to meet the cost of maintenance and operation of the respective sewerage systems, as estimated by the commission and certified by the state treasurer, and to meet any deficiency in the amount previously paid in, as found by him, shall be based upon the respective populations of said towns as ascertained by the last preceding state or national census. If less than the whole area of any town is included in either of said metropolitan sewerage systems, the valuation and population only of that part of the town included in either of said systems, as determined by the commission, shall be used as a basis in determining the proportion and amount which it shall pay as its share of interest and sinking fund requirements and of the cost of maintenance and operation of works as required by this and the preceding section.

SECTION 7. The commission shall annually, in accordance with the two preceding sections, determine for each system the proportion in which each of the towns belonging in whole or in part to such system, shall annually pay money to the commonwealth to meet interest and sinking fund requirements and the cost of maintenance and operation of such system, and shall transmit its determinations to the state treasurer.

Metropolitan Water.

SECTION 26. The state treasurer, for the purpose of making the apportionment to the towns in the metropolitan water district of the amount required in each year to pay the interest, sinking fund requirements and expenses of maintenance and operation of the metropolitan water system, shall, in each year, apportion such amount to the towns in said district, one third in proportion to their valuations for the preceding year and the remaining two thirds in proportion to their consumption, in said year, of water received from all sources of supply as determined by the commission and certified to said treasurer; provided, that there shall be included in reckoning such proportion only one fifth of the total valuation, and nothing for consumption of water, for any town which has not reached the safe capacity of its present sources of supply or of the sources of supply of the water company by which it is supplied, determined as aforesaid, or which has not made application to said commission for water; and provided, further, that any town assessed upon its full valuation which obtains a part of its water supply from its own works or receives a supply from a water company shall be allowed and credited in its apportionment with a sum equal to twelve dollars for each million gallons of water furnished as aforesaid, as determined by said commission and certified to said treasurer. The state treasurer shall annually notify each town of the amount of its assessment, and the same shall be paid by the town to the commonwealth at the time required for the payment of and as part of its state tax. . . .

Metropolitan Parks.

SECTION 54. The proportions in which each of the towns of the metropolitan parks district, including Cohasset with respect to Nantasket beach reservation only, shall annually pay money into the treasury of the commonwealth to meet the interest, sinking fund and serial or other bond requirements for each year and any deficiency in the amounts previously paid in, as estimated by the state treasurer, shall be as follows: Boston shall pay as a special assessment sixteen and two thirds per cent of the money so required on account of the amount expended for construction of the marginal conduit on the Boston side of the Charles river basin as heretofore determined by the apportionment commission appointed by the supreme judicial court in the year nineteen

hundred and ten; Cambridge shall pay as a special assessment sixteen and two thirds per cent of the money so required on account of the amount expended for construction of the marginal conduit on the Cambridge side of the Charles river basin as heretofore determined by the said apportionment commission; and the payment of the balance shall be based upon the respective taxable valuations of the property of said towns of the metropolitan parks district.

SECTION 55. The proportion in which each town of said district shall annually pay money into the treasury of the commonwealth to meet the cost of maintenance of reservations, exclusive of Nantasket beach reservation and the Charles river basin, and any deficiency in the amounts previously paid in, as found by said treasurer, shall be apportioned according to the average percentage of valuation and population, determined as to any town by adding together the percentage which the valuation of the same bears to the total valuation of the towns of the district and the percentage which the population of the same bears to the total population of the towns of the district, and dividing this sum by two.

SECTION 56. The proportion in which each town of the metropolitan parks district, including Cohasset with respect to the maintenance of Nantasket beach reservation only, shall annually pay money into the treasury of the commonwealth to meet the cost of maintenance of said reservation and the Charles river basin and one half the cost of maintenance of boulevards and any deficiency in the amounts previously paid in, as found by said treasurer, shall be based upon the respective taxable valuations of the property of said towns. The remaining half of the cost of maintenance of boulevards shall be paid by all the towns of the state as a part of the annual state tax.

SECTION 57. The commission shall annually, in accordance with the provisions of the three preceding sections, determine the proportion in which each of the towns of said district shall annually pay money into the treasury of the commonwealth to meet the interest, sinking fund and serial or other bond requirements and the cost of maintenance of reservations and boulevards, and shall transmit the determinations of the commission to the state treasurer.

SECTION 58. The amount of money required each year from every such town to meet the interest, sinking fund and serial or other bond requirements and the cost of maintenance aforesaid, and the deficiency, if any, shall be estimated by the state treasurer, in accordance with the proportions determined as aforesaid by said commission, together with any amounts required by law to be specially assessed upon any particular town, and shall be included and made a part of the sum charged to such town, and shall be paid by such town into the state treasury at the time required for the payment of its proportion of the state tax.

SECTION 59. For the purposes of the five preceding sections, the words "taxable valuations of the property of towns" shall mean taxable valuations of property last established next prior to such apportionment by the general court as a basis of apportionment for state and county taxes. The words "population of the towns" shall mean the population as determined by the latest census, state or national, next prior to such apportionment.

JAMES JACKSON,
Treasurer and Receiver-General.

Total Assessments for Metropolitan Districts for 1923.

CITIES AND TOWNS.	Metropolitan Water.	Metropolitan Parks and Boulevards.	Metropolitan Sewerage, North and South Systems.	Charles River Basin.	Total.
Arlington	\$25,549 71	\$19,248 38	\$25,829 70 ^N	\$2,827 13	\$73,454 92
Belmont	16,126 96	12,547 10	16,281 96 ^N	1,890 63	46,846 65
Boston	1,872,413 17	1,010,501 62	{ 113,783 61 ^N 343,171 03 ^s }	233,200 66	3,573,070 09
Braintree	—	8,582 63	—	1,351 20	9,933 83
Brookline	—	63,655 49	94,140 46 ^s	12,152 62	169,948 57
Cambridge	—	109,795 44	157,828 01 ^N	42,631 30	310,254 75
Canton	—	5,199 75	—	842 95	6,042 70
Chelsea	65,726 02	31,275 30	49,867 26 ^N	4,681 49	151,550 07
Cohasset	—	206 55	—	—	206 55
Dedham	—	10,493 19	15,222 68 ^s	1,764 15	27,480 02
Dover	—	1,784 01	—	350 58	2,134 59
Everett	69,560 27	33,288 42	52,968 05 ^N	5,288 64	161,105 38
Hingham	—	5,843 29	—	1,003 63	6,846 92
Hull	—	7,026 45	—	1,466 81	8,493 26
Lexington	10,466 62	—	7,240 49 ^N	—	17,707 11
Lynn	—	79,457 72	—	12,446 64	91,904 36
Malden	56,670 00	39,184 57	58,089 45 ^N	5,274 23	159,218 25
Medford	48,137 20	33,828 23	46,061 71 ^N	4,415 31	132,442 45
Melrose	25,580 49	15,293 01	23,547 37 ^N	2,441 56	66,862 43
Milton	14,885 63	13,288 41	19,779 72 ^s	2,458 32	50,412 08
Nahant	4,129 19	2,727 01	—	536 27	7,392 47
Needham	—	7,353 25	—	1,265 07	8,618 32
Newton	7,309 44	59,246 15	86,383 80 ^s	10,434 14	163,373 53
Quincy	84,261 23	48,561 38	61,789 61 ^s	6,523 85	201,136 07
Reading	—	—	10,064 92 ^N	—	10,064 92
Revere	43,377 07	20,512 27	33,426 33 ^N	3,044 23	100,359 90
Saugus	—	6,740 52	—	926 97	7,667 49
Somerville	139,164 15	70,607 82	106,182 28 ^N	9,843 61	325,797 86
Stoneham	10,643 58	6,400 43	9,046 36 ^N	844 50	26,934 87
Swampscott	15,429 34	9,937 73	—	1,781 70	27,148 77
Wakefield	—	10,433 13	16,212 23 ^N	1,633 95	28,279 31
Waltham	—	28,680 92	43,370 47 ^s	4,747 75	76,799 14
Watertown	35,023 78	20,291 23	30,640 09 ^s	3,380 66	89,335 76
Wellesley	—	10,968 53	16,204 74 ^s	2,108 71	29,281 98
Weston	—	4,074 62	—	662 85	4,737 47
Westwood	—	1,754 04	—	318 23	2,072 27
Weymouth	—	11,311 37	—	1,722 54	13,033 91
Winchester	—	14,495 92	20,285 77 ^N	2,668 61	37,450 30
Winthrop	20,263 82	12,553 40	19,472 76 ^N	1,977 85	54,267 83
Woburn	—	12,249 45	19,441 11 ^N	1,851 36	33,541 92
	\$2,564,717 67	\$1,859,398 73 ¹	\$1,496,331 97 ²	\$392,760 70 ³	\$6,313,209 07

N, North System.

S, South System.

¹ Includes \$41,661.96, special assessments for Alewife Brook, Neponset Bridge, Newton-Weston Bridge, and Wellington Bridge.² Includes \$3,849.99, special assessments on Everett, Malden and Revere.³ Includes \$49,840.18, special assessments on Boston and Cambridge, and \$25,476.26 embankment interest on Boston.

Special Metropolitan District Assessments for 1923.

CITIES AND TOWNS.	Alexwife Brook.	Neponset Bridge.	Newton-Weston Bridge.	Wellington Bridge, Serial Bonds and Interest.	Wellington Bridge, Maintenance.	Metropolitan Sewerage.	Charles River Basin, Bridge Sinking Fund and Interest.	Charles River Embankment, Interest.	Total.
Arlington	\$2,109 46	—	—	—	—	—	—	—	\$2,109 46
Belmont	1,494 19	—	—	—	—	—	—	—	1,494 19
Boston	—	\$10,505 05	—	—	—	—	\$24,920 09	\$25,476 26	60,901 40
Cambridge	4,131 01	—	—	—	—	—	24,920 09	—	29,051 10
Everett	—	—	—	—	—	\$1,641 66 ¹⁸	—	—	1,641 66
Malden	—	—	—	\$1,644 50	\$2,198 52	1,641 67 ¹⁸	—	—	5,484 69
Medford	—	—	—	2,024 00	2,705 87	—	—	—	4,729 87
Newton	—	—	\$1,375 00	—	—	—	—	—	1,375 00
Quincy	—	7,878 79	—	—	—	—	—	—	7,878 79
Revere	—	—	—	—	—	566 66 ¹⁸	—	—	566 66
Somerville	1,054 72	—	—	1,391 50	1,860 30	—	—	—	4,306 52
Stonham	—	—	—	316 25	422 80	—	—	—	739 05
Weston	—	—	550 00	—	—	—	—	—	550 00
	\$8,789 38 ³	\$18,383 84 ⁴	\$1,925 00 ⁵	\$5,376 25 ⁶	\$7,187 49 ⁷	\$3,849 99	\$40,840 18	\$25,476 26	\$120,828 39

¹ Twelfth assessment under chapter 512, Acts of 1911 (total assessments, 29).

² Ninth assessment under chapter 259, Acts of 1914 (total assessments, 11).

³ Thirteenth assessment under chapter 329, Acts of 1907 (total assessments, 20), and tenth assessment under chapter 458, Acts of 1911 (total assessments, 20).

⁴ Eighth assessment under chapter 300, General Acts of 1915 (total assessments, 18), first assessment under chapter 220, General Acts of 1917 (total assessments, 20), and first assessment under chapter 390, Acts of 1922 (total assessments, 20).

⁵ Eighth assessment under chapter 308, Special Acts of 1915 (total assessments, 9).

⁶ Ninth assessment under chapter 276, General Acts of 1915 (total assessments, 10).

⁷ Eighth assessment under chapter 295, General Acts of 1916.

Assessments on Counties and Street Railways for 1923.

	Neponset Bridge.	Newton- Weston Bridge.	Wellington Bridge, Serial Bonds and Interest.	Total.
Middlesex County	—	\$825 00	—	\$825 00
Norfolk County	\$2,626 27	—	—	2,626 27
Plymouth County	1,313 12	—	—	1,313 12
Bay State Street Railway Company	4,193 20	—	—	4,193 20
Boston Elevated Railway Company	—	—	\$1,897 50	1,897 50
	\$8,132 59 ¹	\$825 00 ²	\$1,897 50 ³	\$10,855 09

¹ Eighth assessment under chapter 300, General Acts of 1915 (total assessments, 18), first assessment under chapter 220, General Acts of 1917 (total assessments, 20) and first assessment under chapter 380, Acts of 1922 (total assessments, 20).
² Eighth assessment under chapter 368, Special Acts of 1915 (total assessments, 9).
³ Ninth assessment under chapter 276, General Acts of 1915 (total assessments, 10).

STATEMENT I.

METROPOLITAN WATER DISTRICT.

Total Water Debt, April 1, 1923.

Gross water debt, April 1, 1923:	
Bonds outstanding (sinking fund)	\$41,398,000 00
Bonds outstanding (serial)	1,683,000 00
	<u>\$43,081,000 00</u>

a decrease for the year of \$57,000.

Sinking fund, April 1, 1923	<u>19,501,759 72</u>
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an increase for the year of \$1,109,327.96.

Net water debt, April 1, 1923	\$23,579,240 28
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a decrease for the year of \$1,166,327.96.

Total Water Assessment for 1923.

Sinking fund requirements		\$197,492 96
Serial bonds	\$60,000 00	
Less premium	1,150 00	
	<u>58,850 00</u>	
Interest:		
One year on \$41,398,000	\$1,393,435 00	
Six months on 1,740,000	34,306 25	
Six months on 1,783,000	35,182 50	
Interest on advances and temporary loans, estimated, 1923	35,000 00	
Adjustment of interest charges in 1922	22,227 13	
	<u>\$1,520,150 88</u>	
Accrued interest	1,422 22	
	<u>1,518,728 66</u>	
Maintenance as appropriated by Legislature	\$806,150 00	
Less balance on hand	16,503 95	
	<u>789,646 05</u>	
Total water assessment for 1923		\$2,564,717 67

METROPOLITAN WATER LOAN.

Sinking Fund.

BONDS ISSUED.	Due Dates.	Sinking Fund, Dec. 1, 1922.	Amount of Dec. 1, 1922 Sinking Fund at Maturity of Loan, Accumulations reckoned at 4 Per Cent.	Balance to be provided for.	Sinking Fund Requirements for 1923.
\$13,000,000	July, 1935	\$7,650,642 62	\$12,551,690 06	\$448,309 94	\$29,767 60
4,000,000	Jan., 1938	2,046,140 48	3,706,300 23	293,699 77	14,624 14
4,000,000	July, 1939	1,846,548 00	3,549,492 51	450,507 49	20,576 22
10,000,000	Jan., 1941	4,118,265 31	8,400,797 18	1,599,202 82	62,129 61
3,500,000	Jan., 1942	1,366,786 39	2,900,729 07	599,270 93	21,572 28
2,000,000	Jan., 1943	718,080 50	1,585,550 20	414,449 80	13,860 28
2,000,000	Jan., 1944	668,697 92	1,536,162 57	463,837 43	14,445 26
650,000	Jan., 1945	231,521 03	553,347 55	96,652 45	2,809 07
1,350,000	Jan., 1946	397,359 98	988,079 80	361,920 20	9,835 51
398,000	Jan., 1949	89,137 91	249,615 39	148,384 61	3,329 80
500,000	Jan., 1950	97,760 41	284,821 18	215,178 82	4,543 19
\$41,398,000	—	\$19,230,940 55	\$36,306,585 74	\$5,091,414 26	\$197,492 96

Computations for determining the Assessment for 1923. (See Section 26 of Chapter 92, General Laws.)

[The proportion to be paid by each city and town is based as follows: One-third in proportion to their respective valuation for the preceding year, and the remaining two-thirds in proportion to the consumption by the cities and towns, respectively, in the preceding year. The last column shows the total ratio to be paid by each city and town of the whole assessment. To find each city's and town's assessment, multiply the total assessment by the average ratio.]

CITIES AND TOWNS.	Valuation, 1922.	Average Daily Consump- tion (Gallons), 1922.	RATIO OF TOTALS.		Average Ratio, Double Weight to Consump- tion.
			Valuation.	Consump- tion.	
Arlington	\$27,111,634	1,059,600	.012118	.008884	.009962
Belmont	16,943,022	673,200	.007573	.005645	.006288
Boston	1,678,427,806	85,871,000	.750219	.719989	.730066
Chelsea	43,822,300	3,416,500	.019588	.028646	.025627
Everett	45,141,725	3,648,900	.020177	.030594	.027122
Lexington	10,881,699	440,000	.004864	.003689	.004081
Malden	47,087,457	2,698,000	.021047	.022621	.022096
Medford	43,681,450	2,193,400	.019525	.018391	.018769
Melrose	23,134,000	1,167,800	.010340	.009791	.009974
Milton	22,600,180	436,000	.010102	.003656	.005804
Nahant	4,339,605	172,300	.001940	.001445	.001610
Newton ¹	19,133,569	—	.008552	—	.002850
Quincy	60,924,730	4,253,700	.027232	.035665	.032854
Revere	30,900,700	2,202,200	.013812	.018464	.016913
Somerville	88,166,539	7,357,300	.039408	.061688	.054261
Stonham	8,223,150	523,200	.003676	.004387	.004150
Swampscott	16,746,669	629,800	.007485	.005281	.006016
Watertown	30,809,601	1,621,800	.013771	.013598	.013656
Winthrop	19,176,150	902,400	.008571	.007566	.007901
	\$2,237,251,986	119,267,100	1.000000	1.000000	1.000000

¹ In accordance with the provisions of the act above referred to, but one-fifth of the total valuation and no consumption has been taken, for at present this city has a sufficient supply, and has not made application for water.

METROPOLITAN WATER LOAN.

*Division of Assessment for 1923.**

CITIES AND TOWNS.	Interest.	Sinking Funds.	Maintenance.	Serial Bonds.	Total Assessment.
Arlington	\$15,129 57	\$1,967 43	\$7,866 45	\$586 26	\$25,549 71
Belmont	9,549 77	1,241 84	4,965 30	370 05	16,126 96
Boston	1,108,772 16	144,182 90	576,493 73	42,964 38	1,872,413 17
Chelsea	38,920 46	5,061 15	20,236 26	1,508 15	65,726 02
Everett	41,190 96	5,356 40	21,416 78	1,596 13	69,560 27
Lexington	6,197 93	805 97	3,222 55	240 17	10,466 62
Malden	33,557 83	4,363 80	17,448 02	1,300 35	56,670 00
Medford	28,505 02	3,706 75	14,820 87	1,104 56	48,137 20
Melrose	15,147 80	1,969 79	7,875 93	586 97	25,580 49
Milton	8,814 70	1,146 25	4,583 11	341 57	14,885 63
Nahant	2,445 15	317 96	1,271 33	94 75	4,129 19
Newton	4,328 38	562 85	2,250 49	167 72	7,309 44
Quincy	49,896 31	6,488 43	25,943 03	1,933 46	84,261 23
Revere	25,086 26	3,340 20	13,355 28	995 33	43,777 07
Somerville	82,407 74	10,716 17	42,846 98	3,193 26	139,164 15
Stoneham	6,302 72	819 60	3,277 03	244 23	10,643 58
Swampscott	9,136 67	1,188 12	4,750 51	354 04	15,429 34
Watertown	20,739 76	2,696 96	10,783 41	803 65	35,023 78
Winthrop	11,999 47	1,560 39	6,238 99	464 97	20,263 82
	\$1,518,728 66	\$197,492 96	\$789,646 05	\$58,850 00	\$2,564,717 67

Comparison of Total Assessments, 1922 and 1923, with Revenue from Water Rates in 1922.

CITIES AND TOWNS.	WATER ASSESSMENTS.		Water Revenue received by Cities and Towns, 1922.
	1922.	1923.	
Arlington	\$24,666 84	\$25,549 71	\$80,830 02
Belmont	15,679 21	16,126 96	41,461 49 ¹
Boston ²	1,784,257 21	1,872,413 17	3,783,874 98 ³
Chelsea	58,304 32	65,726 02	135,219 58
Everett	65,437 63	69,560 27	146,065 73 ¹
Lexington	9,970 63	10,466 62	30,176 95 ⁴
Malden	51,513 23	56,670 00	140,415 74 ³
Medford	41,268 34	48,137 20	104,073 82 ¹
Melrose	23,191 14	25,580 49	56,580 69 ¹
Milton	13,798 19	14,885 63	68,208 59
Nahant	4,140 66	4,129 19	11,862 38 ¹
Newton	6,936 71	7,309 44	— ⁵
Quincy	81,551 29	84,261 23	234,745 21
Revere	37,989 30	43,377 07	87,131 52 ¹
Somerville	128,207 84	139,164 15	284,126 62 ³
Stoneham	11,344 37	10,643 58	48,282 68
Swampscott	15,819 98	15,429 34	60,514 31
Watertown	33,916 60	35,023 78	110,083 02 ¹
Winthrop	19,128 14	20,263 82	59,709 27 ⁴
	\$2,427,121 63	\$2,564,717 67	\$5,483,362 60

¹ No money received for hydrant rentals or street watering.² Boston's fiscal year ends January 31.³ No money received for hydrant rentals, street watering or from municipal departments.⁴ No money received for street watering.⁵ Not taking water from Metropolitan Works.⁶ No money received for street watering or from municipal departments.

Net Water Debt of the Cities of the Original Metropolitan Water District.

CITIES.	Jan. 1, 1922.	Jan. 1, 1923.	Increase.
Boston	\$301,177 50	\$282,000 00	\$19,177 50 ¹
Chelsea	5,000 00	5,000 00	—
Everett	2,015 50	1,705 54	309 96 ¹
Malden	586 63	32,010 09	31,423 46
Medford	1,667 68	23,619 61	21,951 93
Melrose	73,760 09	73,114 87	645 22 ¹
Somerville	—	—	—
	\$384,207 40	\$417,450 11	\$33,242 71

¹ Decrease.

STATEMENT II.

METROPOLITAN PARKS DISTRICT.

Gross parks debt, April 1, 1923:

Bonds outstanding (sinking fund)	\$9,485,000 00	
Bonds outstanding (serial)	142,250 00	
		\$9,627,250 00

a decrease for the year of \$19,250.

Sinking fund April 1, 1923	4,706,241 09
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an increase for the year of \$250,589.27.

Net parks debt, April 1, 1923	\$4,921,008 91
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a decrease for the year of \$269,839.27.

BOULEVARDS.

Gross parks, series two (boulevards), debt, April 1, 1923:

Bonds outstanding (sinking fund) (one-half)	\$2,567,500 00	
Bonds outstanding (serial) (one-half)	525,500 00	
Bonds outstanding (serial), 78.75 per cent. (chapter 276, General Acts of 1915)	18,112 50	
Bonds outstanding (serial), 78.75 per cent. (chapter 300, General Acts of 1915)	165,375 00	
		\$3,276,487 50

a decrease for the year of \$50,306.25.

Sinking fund, April 1, 1923 (one-half)	1,194,684 92
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an increase for the year of \$64,728.39.

Net parks, series two (boulevards), debt	\$2,081,802 58
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a decrease for the year of \$108,340.89.

METROPOLITAN PARKS LOAN.

Total parks assessment for 1923 is made up as follows:

Parks sinking fund			\$46,002 56
Parks, series two, sinking fund			11,534 00
Nantasket sinking fund			2,922 75
Parks serial bonds			16,750 00
Parks, series two, serial bonds	\$39,006 25		
Less premium	1,538 13		
			<hr/> 37,468 12
Parks interest:			
One year on \$8,785,000	\$301,225 00		
Six months on \$154,000	2,988 75		
Six months on \$137,250	2,658 13		
Interest on advances and temporary loans, estimated, 1923	25,000 00		
		\$331,871 88	
Adjustment of interest charges in 1922		3,442 02	
			<hr/> 328,429 86
Parks, series two, interest:			
One year on \$2,567,500	\$87,737 50		
Six months on \$607,206.25	12,297 87		
Six months on \$708,762.50	14,320 25		
Interest on advances and temporary loans, estimated, 1923	5,000 00		
		\$119,355 62	
Adjustment of interest charges in 1922	\$5,602 60		
Accrued interest	1,902 22		
		7,504 82	
			<hr/> 111,850 80
Nantasket interest:			
One year on \$700,000			21,000 00
Parks maintenance as appropriated by Legislature		\$868,359 00	
Less balance on hand		93,857 65	
			<hr/> 774,501 35
Parks, series two, maintenance		\$290,925 00	
Plus deficit and amounts reserved		108,379 96	
			<hr/> 399,304 96
Nantasket maintenance		\$75,000 00	
Less balance on hand		10,621 38	
			<hr/> 64,378 62
Wellington Bridge maintenance (one-quarter)		\$3,650 00	
Less balance on hand (one-quarter)		56 25	
			<hr/> 3,593 75
Total parks assessment for 1923			<hr/> \$1,817,736 77

METROPOLITAN PARKS, INCLUDING BOULEVARDS, WELLINGTON BRIDGE AND NANTASKET.

Total Assessments and Grand Total.

CITIES AND TOWNS.	Total Sinking Fund.	Total Interest.	Total Mainte- nance.	Total Serial Bonds.	Grand Total.
Arlington	\$538 38	\$4,107 68	\$12,010 00	\$482 86	\$17,138 92
Belmont	360 04	2,746 99	7,622 97	322 91	11,052 91
Boston	34,812 33	265,606 04	668,356 01	31,222 19	999,996 57
Braintree	257 32	1,963 23	6,131 30	230 78	8,582 63
Brookline	2,314 28	17,657 18	41,608 42	2,075 61	63,655 49
Cambridge	3,372 84	25,733 56	73,533 03	3,025 00	105,664 43
Canton	160 53	1,224 76	3,670 49	143 97	5,199 75
Chelsea	891 52	6,802 00	22,782 20	799 58	31,275 30
Cohasset	6 84	49 12	150 59	-	206 55
Dedham	335 95	2,563 22	7,292 71	301 31	10,493 19
Dover	66 76	509 38	1,147 99	59 88	1,784 01
Everett	1,007 15	7,684 15	23,693 84	903 28	33,288 42
Hingham	191 13	1,458 21	4,022 53	171 42	5,843 29
Hull	279 32	2,131 21	4,365 39	250 53	7,026 45
Lynn	2,370 28	18,084 39	56,877 22	2,125 83	79,457 72
Malden	1,004 40	7,663 20	25,773 13	900 82	35,341 55
Medford	840 84	6,415 22	21,088 19	754 11	29,098 36
Melrose	464 96	3,547 47	10,863 57	417 01	15,293 01
Milton	468 15	3,571 83	8,828 56	419 87	13,288 41
Nahant	102 12	779 18	1,754 11	91 60	2,727 01
Needham	240 91	1,838 08	5,058 19	216 07	7,353 25
Newton	1,987 02	15,160 31	38,941 71	1,782 11	57,871 15
Quincy	1,242 38	9,478 87	28,847 10	1,114 24	40,682 59
Revere	579 73	4,423 13	14,989 47	519 94	20,512 27
Saugus	176 52	1,346 85	5,058 83	158 32	6,740 52
Somerville	1,874 57	14,302 31	48,443 17	1,681 25	66,301 30
Stoneham	160 82	1,227 03	4,129 29	144 24	5,661 38
Swampscott	339 30	2,588 71	6,705 42	304 30	9,937 73
Wakefield	311 17	2,374 06	7,468 82	279 08	10,433 13
Waltham	904 13	6,898 26	20,067 64	810 89	28,680 92
Watertown	643 79	4,911 94	14,158 10	577 40	20,291 23
Wellesley	401 57	3,063 85	7,142 96	360 15	10,968 53
Weston	126 23	963 09	2,322 09	113 21	3,524 62
Westwood	60 60	462 38	1,176 71	54 35	1,754 04
Weymouth	328 03	2,502 77	8,186 37	294 20	11,311 37
Winchester	508 19	3,877 35	9,654 59	455 79	14,495 92
Winthrop	376 65	2,873 72	8,965 22	337 81	12,553 40
Woburn	352 56	2,689 93	8,890 75	316 21	12,249 45
	\$60,459 31	\$461,280 66	\$1,241,778 68	\$54,218 12	\$1,817,736 77

METROPOLITAN PARKS (EXCEPTING NANTASKET), BOULEVARDS AND CHARLES RIVER BASIN.

Proportion of Sinking Fund, Serial Bonds, Interest and Maintenance (excepting Parks Maintenance) Requirements as determined by Metropolitan District Commission.

CITIES AND TOWNS.	Valuation (Chapter 381, Acts of 1922).	Per Cent.
Arlington	\$27,569,359	.008905898876
Belmont	18,436,860	.005955771795
Boston	1,782,657,284	.575862699651
Braintree	13,176,487	.004256481290
Brookline	118,508,990	.038282684803
Cambridge	172,714,877	.055793144443
Canton	8,220,238	.002655433823
Chelsea	45,652,664	.014747459634
Dedham	17,203,515	.005557356807
Dover	3,418,774	.001104387502
Everett	51,573,442	.016660084811
Hingham	9,787,032	.003161564884
Hull	14,303,877	.004620668986
Lynn	121,376,262	.039208917236
Malden	51,432,808	.016614654949
Medford	43,056,837	.013908913741
Melrose	23,809,394	.007691294355
Milton	23,972,902	.007744113346
Nahant	5,229,606	.001689351653
Needham	12,336,590	.003985164218
Newton	101,750,836	.032869195687
Quincy	63,618,861	.020551190278
Revere	29,686,534	.009589822882
Saugus	9,039,575	.002920109272
Somerville	95,992,213	.031008952433
Stoneham	8,235,375	.002660323621
Swampscott	17,374,575	.005612615366
Wakefield	15,933,872	.005147216253
Waltham	46,298,771	.014956175535
Watertown	32,967,258	.010649615247
Wellesley	20,563,474	.006642744939
Weston	6,463,962	.002088093231
Westwood	3,103,344	.001002492218
Weymouth	16,797,767	.005426285546
Winchester	26,023,475	.008406522500
Winthrop	19,287,425	.006230535016
Woburn	18,053,904	.005832063173
	\$3,095,629,019	1.000000000000

METROPOLITAN PARKS (EXCEPTING NANTASKET).

Proportion of Maintenance Requirements as determined by Metropolitan District Commission.

CITIES AND TOWNS.	Valuation (Chapter 381, Acts of 1922).	Per Cent.	Popula- tion.	Per Cent.	Average Per Cent.
Arlington	\$27,569,359	.008905898876	18,665	.011364729578	.0101353142270
Belmont	18,436,860	.005955771795	10,749	.006544842124	.0062503069595
Boston	1,782,657,284	.575862699651	747,923	.455394730273	.5156287149620
Braintree	13,176,487	.004256481290	10,580	.006441941545	.0053492114175
Brookline	118,505,990	.038282684803	37,748	.022933970647	.0306333277250
Cambridge	172,714,877	.055793144443	109,694	.066790390912	.0612917676775
Canton	8,220,238	.002655433823	5,945	.003619786624	.0031376102235
Chelsea	45,652,664	.014747459634	43,184	.026293837777	.0205206487055
Dedham	17,203,515	.005557356807	10,792	.006571023928	.0060641903675
Dover	3,418,774	.001104387502	867	.000527898234	.0008161428680
Everett	51,573,442	.016660084811	40,120	.024428232022	.0205441584165
Hingham	9,787,032	.003161564884	5,604	.003412158830	.0032868618570
Hull	14,303,877	.004620668986	1,771	.001078324998	.0028494969920
Lynn	121,376,262	.039208917236	99,148	.060369151259	.0497890342475
Malden	51,432,808	.016614654949	49,103	.029897793544	.0232562242465
Medford	43,056,837	.013908913741	39,038	.023769424767	.0188391692540
Melrose	23,809,394	.007691294355	18,204	.011084036284	.0093876653195
Milton	23,972,902	.007744113346	9,382	.005712504308	.0067283088270
Nahant	5,229,606	.001689351653	1,318	.000802502737	.0012459271950
Needham	12,336,590	.003985164218	7,012	.004269460691	.0041273124545
Newton	101,750,836	.032869195687	46,054	.028041320975	.0304552583310
Quincy	63,618,861	.020551190278	47,876	.029150698811	.0245509445445
Revere	29,686,534	.009589822882	28,823	.017549724117	.0135697734995
Saugus	9,039,575	.002920109272	10,874	.006620952020	.0047705306460
Somerville	95,992,213	.031008952433	93,091	.056681170169	.0438450613010
Stoneham	8,235,375	.002660323621	7,873	.004793705651	.0037270146360
Swampscott	17,374,575	.005612615366	8,101	.004932530100	.0052725727330
Wakefield	15,933,872	.005147216253	13,025	.007930651099	.0065389336760
Waltham	46,298,771	.014956175535	30,915	.018823499326	.0168898374305
Watertown	32,967,258	.010649615247	21,457	.013064720202	.0118571677245
Wellesley	20,563,474	.006642744939	6,224	.003789663911	.0052162044250
Weston	6,463,962	.002088093231	2,282	.001389462250	.0017387777405
Westwood	3,103,344	.001002492218	1,358	.000826857903	.0009146750605
Weymouth	16,797,767	.005426285546	15,057	.009167893558	.0072970895520
Winchester	26,023,475	.008406322500	10,485	.006384098025	.0073953102625
Winthrop	19,287,425	.006230535016	15,446	.009404747553	.0078176412845
Woburn	18,053,904	.005832063173	16,574	.010091563248	.0079618132105
	\$3,095,629,019	1.000000000000	1,642,362	1.000000000000	1.000000000000

METROPOLITAN PARKS — NANTASKET.

*Portion of Sinking Fund, Interest and Maintenance Requirements as determined
by Metropolitan District Commission.*

CITIES AND TOWNS.	Valuation (Chapter 381, Acts of 1922).	Per Cent.
Arlington	\$27,569,359	.008885067317
Belmont	18,436,860	.005941840803
Boston	1,782,657,284	.574515714012
Braintree	13,176,487	.004246525064
Brookline	118,508,990	.038193138759
Cambridge	172,714,877	.055662640133
Canton	8,220,238	.002649222566
Chelsea	45,652,664	.014712964230
Cohasset	7,257,883	.002339074297
Dedham	17,203,515	.005544357736
Dover	3,418,774	.001101804258
Everett	51,573,442	.016621115635
Hingham	9,787,032	.003154169749
Hull	14,303,877	.004609860898
Lynn	121,376,262	.039117204665
Malden	51,432,808	.016575792036
Medford	43,056,837	.013876379759
Melrose	23,809,394	.007673303846
Milton	23,972,902	.007725999289
Nahant	5,229,606	.001685400134
Needham	12,336,590	.003975842623
Newton	101,750,836	.032792312196
Quincy	63,618,861	.020503119517
Revere	29,686,534	.009567391574
Saugus	9,039,575	.002913278919
Somerville	95,992,213	.030936420189
Stoneham	8,235,375	.002654100926
Swampscott	17,374,575	.005599487042
Wakefield	15,933,872	.005135176532
Waltham	46,298,771	.014921191929
Watertown	32,967,258	.010624705006
Wellesley	20,563,474	.006627207065
Weston	6,463,962	.002083209026
Westwood	3,103,344	.001000147314
Weymouth	16,797,767	.005413593061
Winchester	26,023,475	.008386859019
Winthrop	19,287,425	.006215961332
Woburn	18,053,904	.005818421544
	\$3,102,886,902	1.000000000000

METROPOLITAN PARKS LOAN.

Sinking Fund.

BONDS ISSUED.	Due Dates.	Sinking Fund Dec. 1, 1922.	Amount of Dec. 1, 1922 Sinking Fund at Maturity of Loan, Accumulations reckoned at 4 Per Cent.	Balance to be provided for.	Sinking Fund Requirements for 1923.
\$125,000	Jan., 1928	\$85,812 68	\$104,605 18	\$20,394 82	\$3,762 43
1,300,000	Jan., 1934	780,933 07	1,207,306 64	92,693 36	6,858 88
2,000,000	Jan., 1936	1,098,694 57	1,838,575 38	161,424 62	9,684 26
1,400,000	Jan., 1937	735,984 03	1,281,366 00	118,634 00	6,467 82
1,000,000	July, 1938	497,227 49	918,671 94	81,328 06	4,049 56
505,000	July, 1939	239,415 53	460,212 04	44,787 96	2,045 62
650,000	Jan., 1941	319,516 56	651,777 78	1,777 78 ¹	-
125,000	Jan., 1943	45,541 94	100,558 41	24,441 59	817 39
340,000	July, 1943	126,364 68	284,598 59	55,401 41	1,852 77
300,000	Jan., 1944	99,917 54	229,535 01	70,464 99	2,194 49
370,000	Jan., 1945	111,898 56	267,443 50	102,556 50	2,980 66
300,000	Jan., 1946	88,059 50	218,969 74	81,030 26	2,202 07
300,000	Jan., 1947	78,071 17	201,975 61	98,024 39	2,495 28
70,000	Jan., 1949	15,587 05	43,648 85	26,351 15	591 33
\$8,785,000	-	\$4,323,024 37	\$7,809,244 67	\$975,755 33	\$46,002 56

Nantasket.

\$600,000	July, 1939	\$285,796 76	\$549,367 50	\$50,632 50	\$2,312 56
100,000	Jan., 1941	41,322 85	84,293 96	15,706 04	610 19
\$700,000	-	\$327,119 61	\$633,661 46	\$66,338 54	\$2,922 75

¹ Surplus.

METROPOLITAN PARKS LOAN, SERIES TWO.

Sinking Fund.

BONDS ISSUED.	Due Dates.	Sinking Fund Dec. 1, 1922.	Amount of Dec. 1, 1922 Sinking Fund at Maturity of Loan, Accumulations reckoned at 4 Per Cent.	Balance to be provided for.	Sinking Fund Requirements for 1923.
\$250,000	Jan., 1934	\$155,994 71	\$241,164 65	\$8,835 35	\$654 00
300,000	Jan., 1936	171,670 21	287,276 04	12,723 96	763 00
500,000	Jan., 1937	274,133 69	477,273 39	22,726 61	1,239 00
50,000	July, 1938	25,965 19	47,972 99	2,027 01	101 00
250,000	July, 1939	124,495 40	239,308 96	10,691 04	488 00
225,000	Jan., 1940	96,734 62	189,665 25	35,334 75	1,486 00
162,500	July, 1940	74,920 46	149,832 64	12,667 36	533 00
55,000	Jan., 1943	20,693 79	45,692 71	9,307 29	311 00
150,000	July, 1943	52,981 32	119,324 55	30,675 45	1,026 00
150,000	Jan., 1944	51,267 78	117,774 62	32,225 38	1,004 00
150,000	Jan., 1945	46,185 22	110,385 13	39,614 87	1,151 00
150,000	Jan., 1946	40,572 47	100,887 96	49,112 04	1,335 00
150,000	Jan., 1947	39,511 31	102,218 54	47,781 46	1,216 00
25,000	Jan., 1949	5,318 43	14,893 35	10,106 65	227 00
\$2,567,500	-	\$1,180,444 60	\$2,243,670 78	\$323,829 22	\$11,534 00

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS AND NANTASKET.

Sinking Fund Requirements.

CITIES AND TOWNS.	Parks.	Boulevards.	Nantasket.	Total.
Arlington	\$409 69	\$102 72	\$25 97	\$538 38
Belmont	273 98	68 69	17 37	360 04
Boston	26,491 16	6,642 00	1,679 17	34,812 33
Braintree	195 81	49 10	12 41	257 32
Brookline	1,761 10	441 55	111 63	2,314 28
Cambridge	2,566 63	643 52	162 69	3,372 84
Canton	122 16	30 63	7 74	160 53
Chelsea	678 42	170 10	43 00	891 52
Cohasset	—	—	6 84	6 84
Dedham	255 65	64 10	16 20	335 95
Dover	50 80	12 74	3 22	66 76
Everett	766 41	192 16	48 58	1,007 15
Hingham	145 44	36 47	9 22	191 13
Hull	212 56	53 29	13 47	279 32
Lynn	1,803 71	452 24	114 33	2,370 28
Malden	764 32	191 63	48 45	1,004 40
Medford	639 85	160 43	40 56	840 84
Melrose	353 82	88 71	22 43	464 96
Milton	356 25	89 32	22 58	468 15
Nahant	77 71	19 48	4 93	102 12
Needham	183 33	45 96	11 62	240 91
Newton	1,512 07	379 11	95 84	1,987 02
Quincy	945 41	237 04	59 93	1,242 38
Revere	441 16	110 61	27 96	579 73
Saugus	134 33	33 68	8 51	176 52
Somerville	1,426 49	357 66	90 42	1,874 57
Stoneham	122 38	30 68	7 76	160 82
Swampscott	258 19	64 74	16 37	339 30
Wakefield	236 79	59 37	15 01	311 17
Waltham	688 02	172 50	43 61	904 13
Watertown	489 91	122 83	31 05	643 79
Wellesley	305 58	76 62	19 37	401 57
Weston	96 06	24 08	6 09	126 23
Westwood	46 12	11 56	2 92	60 60
Weymouth	249 62	62 59	15 82	328 03
Winchester	386 72	96 96	24 51	508 19
Winthrop	286 62	71 86	18 17	376 65
Woburn	268 29	67 27	17 00	352 56
	\$46,002 56	\$11,534 00	\$2,922 75	\$60,459 31

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS AND NANTASKET.

Interest Requirements.

CITIES AND TOWNS.	Parks.	Boulevards.	Nantasket.	Total.
Arlington	\$2,924 96	\$996 13	\$186 59	\$4,107 68
Belmont	1,956 05	666 16	124 78	2,746 99
Boston	189,130 51	64,410 70	12,064 83	265,606 04
Braintree	1,397 96	476 09	89 18	1,963 23
Brookline	12,573 18	4,281 95	802 05	17,657 18
Cambridge	18,324 14	6,240 51	1,168 91	25,733 56
Canton	872 12	297 01	55 63	1,224 76
Chelsea	4,843 51	1,649 52	308 97	6,802 00
Cohasset			49 12	49 12
Dedham	1,825 20	621 59	116 43	2,563 22
Dover	362 71	123 53	23 14	509 38
Everett	5,471 67	1,863 44	349 04	7,684 15
Hingham	1,038 35	353 62	66 24	1,458 21
Hull	1,517 57	516 83	96 81	2,131 21
Lynn	12,877 38	4,385 55	821 46	18,084 39
Malden	5,456 75	1,858 36	348 09	7,663 20
Medford	4,568 10	1,555 72	291 40	6,415 22
Melrose	2,526 05	860 28	161 14	3,547 47
Milton	2,543 40	866 19	162 24	3,571 83
Nahant	554 83	188 96	35 39	779 18
Needham	1,308 85	445 74	83 49	1,838 08
Newton	10,795 23	3,676 44	688 64	15,160 31
Quincy	6,749 63	2,298 67	430 57	9,478 87
Revere	3,149 58	1,072 63	200 92	4,423 13
Saugus	959 05	326 62	61 18	1,346 85
Somerville	10,184 27	3,468 38	649 66	14,302 31
Stoneham	873 73	297 56	55 74	1,227 03
Swampscott	1,843 35	627 77	117 59	2,588 71
Wakefield	1,690 50	575 72	107 84	2,374 06
Waltham	4,912 05	1,672 86	313 35	6,898 26
Watertown	3,497 65	1,191 17	223 12	4,911 94
Wellesley	2,181 68	743 00	139 17	3,063 85
Weston	685 79	233 55	43 75	963 09
Westwood	329 25	112 13	21 00	462 38
Weymouth	1,782 15	606 93	113 69	2,502 77
Winchester	2,760 95	940 28	176 12	3,877 35
Winthrop	2,046 29	696 89	130 54	2,873 72
Woburn	1,915 42	652 32	122 19	2,689 93
	\$328,429 86	\$111,850 80	\$21,000 00	\$461,280 66

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS, WELLINGTON
BRIDGE AND NANTASKET.

Maintenance Requirements.

CITIES AND TOWNS.	Parks.	Wellington Bridge.	Nantasket.	Boulevards.	Total.
Arlington	\$7,849 81	\$32 01	\$572 01	\$3,556 17	\$12,010 00
Belmont	4,840 87	21 40	382 53	2,378 17	7,622 97
Boston	399,355 14	2,069 51	36,986 53	229,944 83	668,356 01
Braintree	4,142 97	15 30	273 39	1,699 64	6,131 30
Brookline	23,725 55	137 58	2,458 82	15,286 47	41,608 42
Cambridge	47,470 56	200 51	3,583 48	22,278 48	73,533 03
Canton	2,430 08	9 54	170 55	1,060 32	3,670 49
Chelsea	15,893 27	53 00	947 20	5,888 73	22,782 20
Cohasset	—	—	150 59	—	150 59
Dedham	4,696 72	19 97	356 94	2,219 08	7,292 71
Dover	632 10	3 97	70 93	440 99	1,147 99
Everett	15,911 48	59 87	1,070 64	6,652 45	23,693 84
Hingham	2,545 68	11 36	203 06	1,262 43	4,022 53
Hull	2,206 94	16 61	296 78	1,845 06	4,365 39
Lynn	38,561 68	140 91	2,518 31	15,656 32	56,877 22
Malden	18,011 98	59 71	1,067 13	6,634 31	25,773 13
Medford	14,590 96	49 99	893 34	5,553 90	21,088 19
Melrose	7,270 76	27 64	494 00	3,071 17	10,863 57
Milton	5,211 08	27 83	497 39	3,092 26	8,828 56
Nahant	964 97	6 07	108 50	674 57	1,754 11
Needham	3,196 61	14 32	255 96	1,591 30	5,058 19
Newton	23,587 64	118 12	2,111 12	13,124 83	38,941 71
Quincy	19,247 09	73 86	1,319 96	8,206 19	28,847 10
Revere	10,509 81	34 46	615 94	3,829 26	14,989 47
Saugus	3,694 78	10 49	187 55	1,166 01	5,058 83
Somerville	33,958 06	111 44	1,991 64	12,382 03	48,443 17
Stoneham	2,886 58	9 56	170 87	1,062 28	4,129 29
Swampscott	4,083 61	20 17	360 49	2,241 15	6,705 42
Wakefield	5,064 41	18 50	330 60	2,055 31	7,468 82
Waltham	13,081 20	53 75	960 61	5,972 08	20,067 64
Watertown	9,183 39	38 27	684 00	4,252 44	14,158 10
Wellesley	4,039 96	23 87	426 65	2,652 48	7,142 96
Weston	1,346 69	7 50	134 11	833 79	2,322 09
Westwood	708 42	3 60	64 39	400 30	1,176 71
Weymouth	5,651 61	19 50	348 52	2,166 74	8,186 37
Winchester	5,727 68	30 21	539 93	3,356 77	9,654 59
Winthrop	6,054 77	22 39	400 18	2,487 88	8,965 22
Woburn	6,166 44	20 96	374 58	2,328 77	8,890 75
	\$774,501 35	\$3,593 75	\$64,378 62	\$399,304 96	\$1,241,778 68

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS.

Serial Bond Requirements.

CITIES AND TOWNS.	Parks.	Boulevards.	Total.
Arlington	\$149 17	\$333 69	\$482 86
Belmont	99 76	223 15	322 91
Boston	9,645 70	21,576 49	31,222 19
Braintree	71 30	159 48	230 78
Brookline	641 23	1,434 38	2,075 61
Cambridge	934 54	2,090 46	3,025 00
Canton	44 48	99 49	143 97
Chelsea	247 02	552 56	799 58
Dedham	93 09	208 22	301 31
Dover	18 50	41 38	59 88
Everett	279 06	624 22	903 28
Hingham	52 96	118 46	171 42
Hull	77 40	173 13	250 53
Lynn	656 75	1,469 08	2,125 83
Malden	278 30	622 52	900 82
Medford	232 97	521 14	754 11
Melrose	128 83	288 18	417 01
Milton	129 71	290 16	419 87
Nahant	28 30	63 30	91 60
Needham	66 75	149 32	216 07
Newton	550 56	1,231 55	1,782 11
Quincy	344 23	770 01	1,114 24
Revere	160 63	359 31	519 94
Saugus	48 91	109 41	158 32
Somerville	519 40	1,161 85	1,681 25
Stoneham	44 56	99 68	144 24
Swampscott	94 01	210 29	304 30
Wakefield	86 22	192 86	279 08
Waltham	250 51	560 38	810 89
Watertown	178 38	399 02	577 40
Wellesley	111 26	248 89	360 15
Weston	34 97	78 24	113 21
Westwood	16 79	37 56	54 35
Weymouth	90 89	203 31	294 20
Winchester	140 81	314 98	455 79
Winthrop	104 36	233 45	337 81
Woburn	97 69	218 52	316 21
	\$16,750 00	\$37,468 12	\$54,218 12

NEPONSET BRIDGE.

Special Assessment.

[Chapter 300, General Acts of 1915.]

Bonds issued, 57½ per cent	\$201,250 00	
Previously assessed	80,500 00	
Outstanding	\$120,750 00	
Serial bonds due Jan. 1, 1924		\$11,500 00
Interest:		
One year on \$120,750	\$4,830 00	
Six months on \$11,500	230 00	
	\$5,060 00	
Less interest on average balance in fund, 57½ per cent	3,089 54	
		1,970 46
		\$13,470 46

Assessment.

	Per Cent.	Serial Bonds.	Interest.	Total.
City of Boston	20	\$4,000 00	\$685 38	\$4,685 38
City of Quincy	15	3,000 00	514 03	3,514 03
County of Norfolk	5	1,000 00	171 35	1,171 35
County of Plymouth	2½	500 00	85 67	585 67
Bay State Street Railway Company	15	3,000 00	514 03	3,514 03
	57½	\$11,500 00	\$1,970 46	\$13,470 46

NEPONSET BRIDGE.

Special Assessment.

[Under Chapter 300, General Acts of 1915, and Chapter 220, General Acts of 1917.]

Bonds issued and outstanding, 57½%	\$57,500 00	
Serial Bonds due Jan. 1, 1924	\$2,875 00	
Less premium	661 25	
		\$2,213 75
Interest:		
One year on \$2,875	\$115 00	
Six months on \$54,625	1,092 50	
	\$1,207 50	
Less accrued interest	817 78	
		389 72
		\$2,603 47

Assessment.

	Per Cent.	Serial Bonds.	Interest.	Total.
City of Boston	20	\$770 00	\$135 55	\$905 55
City of Quincy	15	577 50	101 67	679 17
County of Norfolk	5	192 50	33 89	226 39
County of Plymouth	2½	96 25	16 94	113 19
Bay State Street Railway Company	15	577 50	101 67	679 17
	57½	\$2,213 75	\$389 72	\$2,603 47

NEPONSET BRIDGE.

Special Assessment.

[Chapter 238, General Acts of 1919, and Chapter 380, Acts of 1922.]

Bonds issued and outstanding, 50%					\$225,000 00	
Serial bonds due Jan. 1, 1924					\$11,500 00	
Less premium					2,587 50	
						\$5,912 50
Interest:						
One year on \$11,500				\$460 00		
Six months on \$213,500				4,270 00		
					\$4,730 00	
Less accrued interest					3,200 00	
						1,530 00
						\$10,442 50

Assessment.

	Per Cent.	Serial Bonds.	Interest.	Total.
City of Boston	23 $\frac{9}{17}$	\$4,194 12	\$720 00	\$4,914 12
City of Quincy	17 $\frac{11}{17}$	3,145 59	540 00	3,685 59
County of Norfolk	51 $\frac{5}{17}$	1,048 53	180 00	1,228 53
County of Plymouth	21 $\frac{6}{17}$	524 26	90 00	614 26
	50.00	\$8,912 50	\$1,530 00	\$10,442 50

NEWTON-WESTON BRIDGE.

Special Assessment.

[Chapter 368, Special Acts of 1915.]

Bonds issued, 50 per cent					\$25,000 00	
Previously assessed					20,000 00	
Outstanding					\$5,000 00	
Serial Bonds due Jan. 1, 1924						\$2,500 00
Interest:						
One year on \$5,000				\$200 00		
Six months on \$2,500				50 00		
						250 00
						\$2,750 00

Assessment.

	Per Cent.	Serial Bonds.	Interest.	Total.
City of Newton	25	\$1,250 00	\$125 00	\$1,375 00
Town of Weston	10	500 00	50 00	550 00
County of Middlesex	15	750 00	75 00	825 00
	50	\$2,500 00	\$250 00	\$2,750 00

WELLINGTON BRIDGE.

Special Assessment.

Reconstruction.

[Chapter 276, General Acts of 1915.]

Bonds issued, 57½ per cent	\$66,125 00	
Previously assessed	52,900 00	
Outstanding	\$13,225 00	
Serial bonds due Jan. 1, 1924		\$6,612 50
Interest:		
One year on \$13,225	\$529 00	
Six months on \$6,612.50	132 25	
		661 25
		\$7,273 75

Assessment.

[Chapter 276, General Acts of 1915.]

	Per Cent.	Serial Bonds.	Interest.	Total.
Malden	13	\$1,495 00	\$149 50	\$1,644 50
Medford	16	1,840 00	184 00	2,024 00
Somerville	11	1,265 00	126 50	1,391 50
Stoneham	2½	287 50	28 75	316 25
Boston Elevated Railway Company	15	1,725 00	172 50	1,897 50
	57½	\$6,612 50	\$661 25	\$7,273 75

Maintenance.

[Chapter 295, General Acts of 1916.]

CITIES AND TOWNS.	Per Cent.	Amount.
Malden	15.2941	\$2,198 52
Medford	18.8235	2,705 87
Somerville	12.9412	1,860 30
Stoneham	2.9412	422 80
	50.0000	\$7,187 49

ALEWIFE BROOK.

[Chapter 529 of the Acts of 1906, as amended by chapter 529 of the Acts of 1907 and chapter 458 of the Acts of 1911.]¹

CITIES AND TOWNS.	Assessment.	Interest.	Total.	Proportion of Total (Per Cent).
Arlington	\$1,636 79	\$472 67	\$2,109 46	24
Belmont	1,159 39	334 80	1,494 19	17
Cambridge	3,205 38	925 63	4,131 01	47
Somerville	818 39	236 33	1,054 72	12
	\$6,819 95	\$1,969 43	\$8,789 38	100

¹ This table includes the thirteenth assessment and interest under chapters 529 of the Acts of 1906 and 1907, and the tenth assessment and interest under chapter 458 of the Acts of 1911.

STATEMENT III.

METROPOLITAN SEWERAGE DISTRICT.

Debt, North System.

Gross sewerage, north system, debt, April 1, 1923:		
Bonds outstanding (sinking fund)	\$6,563,000 00	
Bonds outstanding (serial)	702,500 00	
	<hr/>	\$7,265,500 00

a decrease for the year of \$25,500.

Sinking fund April 1, 1923	3,882,136 59
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an increase for the year of \$305,714.06.

Net sewerage, north system, debt, April 1, 1923	\$3,383,363 41
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a decrease for the year of \$331,214.06.

Assessments, North System.

Sinking fund requirements		\$160,110 08
Serial bonds	\$27,000 00	
Less premium	1,725 00	
	<hr/>	25,275 00
Interest:		
One year on \$7,228,000	\$229,055 00	
Six months on \$150,000	3,000 00	
Four months on \$14,000	186 67	
Interest on advances and temporary loans, estimated, 1923	10,000 00	
	<hr/>	\$242,241 67
Adjustment of interest charges in 1922	\$3,305 54	
Accrued interest	1,133 34	
	<hr/>	4,438 88
		237,802 79
Maintenance as appropriated by Legislature	\$363,780 00	
Less balance on hand	5,188 49	
	<hr/>	358,591 51
		<hr/>
Total north metropolitan sewerage assessment		\$781,779 38

NORTH METROPOLITAN SEWERAGE DISTRICT.

Everett and Malden, Special Assessment (Chapter 512, Acts of 1911).

Bonds issued	\$62,000 00	
Previously assessed	26,000 00	
	<hr/>	
Outstanding	\$36,000 00	
Assessment for 1923 is made up, as follows:		
Serial bonds due Jan. 1, 1924		\$2,000 00
Interest:		
One year on \$36,000	\$1,260 00	
Four months on \$2,000	23 33	
	<hr/>	1,283 33
		<hr/>
		\$3,283 33

Everett and Malden, one-half each.

City of Revere, Special Assessment (Chapter 259, Acts of 1914).

Bonds issued	\$5,500 00	
Previously assessed	4,000 00	
	<hr/>	
Outstanding	\$1,500 00	
Assessment for 1923 is made up, as follows:		
Serial Bond due Jan. 1, 1924		\$500 00
Interest:		
One year on \$1,500	\$60 00	
Four months on \$500	6 66	
	<hr/>	
		66 66
		<hr/>
		\$566 66

METROPOLITAN SEWERAGE DISTRICT.

Debt, South System.

Gross sewerage, south system, debt, April 1, 1923:		
Bonds outstanding (sinking fund)	\$8,877,912 00	
Bonds outstanding (serial)	898,000 00	
	<hr/>	
		\$9,775,912 00

a decrease for the year of \$30,000.

Sinking fund April 1, 1923	2,409,963 09
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an increase for the year of \$219,781.29.

Net sewerage, south system, debt, April 1, 1923	\$7,365,948 91
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a decrease for the year of \$249,781.29.

Assessments, South System.

Sinking fund requirements		\$137,295 68
Serial bonds	\$32,000 00	
Deficit in 1922 assessment	8 00	
	<hr/>	
	\$32,008 00	
Less premium	920 00	
	<hr/>	
		31,088 00
Interest:		
One year on \$9,775,912	\$338,482 36	
Six months on \$80,000	1,600 00	
Interest on advances and temporary loans, estimated, 1923	10,000 00	
	<hr/>	
	\$350,082 36	
Adjustment of interest charges in 1922	\$1,890 51	
Accrued interest	604 45	
	<hr/>	
	2,494 96	
	<hr/>	
		347,587 40
Maintenance as appropriated by Legislature	\$200,410 00	
Less balance on hand	5,678 48	
	<hr/>	
		194,731 52
	<hr/>	
Total south metropolitan sewerage assessment		\$710,702 60

METROPOLITAN SEWERAGE LOAN.

North System — Assessment.

CITIES AND TOWNS.	Sinking Fund.	Serial Bonds.	Interest.	Maintenance.	Total.
Arlington	\$5,715 93	\$902 32	\$8,489 56	\$10,721 89	\$25,829 70
Belmont	3,826 63	604 07	5,683 49	6,167 77	16,281 96
Boston	21,871 04	3,452 57	32,483 86	55,976 14	113,783 61
Cambridge	35,848 65	5,659 07	53,244 04	63,076 25	157,828 01
Chelsea	9,478 52	1,496 28	14,077 93	24,814 53	49,867 26
Everett	10,695 35	1,688 37	15,885 23	23,057 44	51,326 39
Lexington	1,681 16	265 39	2,496 93	2,797 01	7,240 49
Malden	10,679 34	1,685 84	15,861 45	28,221 15	56,447 78
Medford	8,934 14	1,410 35	13,260 39	22,447 83	46,061 71
Melrose	4,947 40	781 00	7,348 10	10,470 87	23,547 37
Reading	2,193 51	346 27	3,257 90	4,267 24	10,664 92
Revere	6,164 24	973 09	9,155 41	16,566 93	32,859 67
Somerville	19,917 69	3,144 21	29,582 67	53,537 71	106,182 28
Stoneham	1,713 18	270 44	2,544 49	4,518 25	9,046 36
Wakefield	3,298 27	520 66	4,898 74	7,494 56	16,212 23
Winchester	5,395 71	851 77	8,013 95	6,024 34	20,285 77
Winthrop	4,002 75	631 87	5,945 07	8,893 07	19,472 76
Woburn	3,746 57	591 43	5,564 58	9,538 53	19,441 11
	\$160,110 08	\$25,275 00	\$237,802 79	\$358,591 51	\$781,779 38 ¹

¹ Exclusive of \$3,849.99 special assessments on Everett, Malden and Revere which are included on page 5.

METROPOLITAN SEWERAGE LOAN, NORTH SYSTEM, SINKING FUND.

BONDS ISSUED AND AMOUNTS ALREADY PROVIDED FOR.	Due Dates.	Sinking Fund Dec. 1, 1922.	Amount of Dec. 1, 1922 Sinking Fund at Maturity of Loan, Accumulations reckoned at 4 Per Cent.	Balance.	Portion of Balance to be provided for this Year.	Sinking Fund Requirements for 1923.
\$5,330,000 (3,930,875)	Jan., 1930 Sunk.	\$3,455,275 31	\$4,559,162 35	\$4,701,712 65	\$176,314 22	\$139,022 56
265,000 (195,437)	Jan., 1930 Sunk.	160,418 83	211,669 24	248,767 76	9,328 79	7,355 69
200,000 (135,249)	Jan., 1930 Sunk.	123,087 02	162,410 71	172,838 29	7,993 76	6,303 03
250,000 (72,917)	July, 1943 Sunk.	39,587 02	89,157 90	233,759 10	7,791 97	3,599 49
50,000 (14,583)	Jan., 1943 Sunk.	8,033 18	17,737 58	46,845 42	1,561 51	735 76
55,000 (16,042)	July, 1943 Sunk.	10,969 95	24,706 53	46,335 47	1,544 52	713 49
300,000 (57,500)	Jan., 1949 Sunk.	29,025 49	81,280 90	276,219 10	4,603 65	1,710 38
113,000 (21,658)	Jan., 1949 Sunk.	9,465 78	26,507 29	108,150 71	1,802 51	669 68
\$6,563,000 (4,444,261)	- Sunk.	\$3,835,862 58	\$5,172,632 50	\$5,834,628 50	\$210,940 93	\$160,110 08

METROPOLITAN SEWERAGE LOAN, NORTH SYSTEM.

Amounts provided for and to be provided for.

BONDS ISSUED.	Due Dates.	Amount provided for.	Amount to be provided for.	1923.
\$5,330,000	1930	$\frac{1}{8} + \frac{1}{6} + \frac{1}{3} + \frac{9}{80}$	$\frac{21}{80}$	$\frac{3}{80}$
265,000	1930	$\frac{79}{40} + \frac{1}{3} + \frac{9}{80}$	$\frac{21}{80}$	$\frac{3}{80}$
200,000	1930	$\frac{49}{40} + \frac{1}{3} + \frac{313}{2400}$	$\frac{777}{2400}$	$\frac{111}{2400}$
300,000	1943	$\frac{1}{8} + \frac{1}{10} + \frac{6}{50}$	$\frac{10}{30} + \frac{1}{30}$	$\frac{1}{30}$
55,000	1943	$\frac{1}{8} + \frac{1}{10} + \frac{6}{50}$	$\frac{10}{30} + \frac{1}{30}$	$\frac{1}{30}$
300,000	1949	$\frac{1}{8} + \frac{1}{10} + \frac{6}{50}$	$\frac{10}{30} + \frac{1}{30} + \frac{3}{30}$	$\frac{1}{30}$
113,000	1949	$\frac{1}{8} + \frac{1}{10} + \frac{6}{50}$	$\frac{10}{30} + \frac{1}{30} + \frac{3}{30}$	$\frac{1}{30}$

NORTH METROPOLITAN SYSTEM.

Ratios of Contribution on the Basis of the Valuations of 1922 and the Census Returns of 1920. Assessment made by the Metropolitan District Commission.

CITIES AND TOWNS.	State Valuation, Acts of 1922, Chapter 381.	Proportion for Interest, Sinking Funds and Serial Bonds (Per Cent).	Population, U. S. Census 1920.	Proportion for Maintenance and Operation (Per Cent).
Arlington	\$27,569,359	3.57	18,665	2.99
Belmont	18,436,860	2.39	10,749	1.72
Boston:				
Charlestown }				
East Boston }	105,368,566	13.66	97,323	15.61
Cambridge	172,714,877	22.39	109,694	17.59
Chelsea	45,652,664	5.92	43,184	6.92
Everett	51,573,442	6.68	40,120	6.43
Lexington	8,068,069 ¹	1.05	4,850 ²	0.78
Malden	51,432,808	6.67	49,103	7.87
Medford	43,056,837	5.58	39,038	6.26
Melrose	23,809,394	3.09	18,204	2.92
Reading	10,554,722	1.37	7,439	1.19
Revere	29,686,534	3.85	28,823	4.62
Somerville	95,992,213	12.44	93,091	14.93
Stoneham	8,235,375	1.07	7,873	1.26
Wakefield	15,933,872	2.06	13,025	2.09
Winchester	26,023,475	3.37	10,485	1.68
Winthrop	19,287,425	2.50	15,455	2.48
Woburn	18,053,904	2.34	16,574	2.66
	\$771,450,396	100.00	623,695	100.00

¹ 173.424 per cent of the town valuation, derived from figures certified by the board of assessors.² After deducting 1,500, population of outer area.

METROPOLITAN SEWERAGE LOAN.

South System — Assessment.

CITIES AND TOWNS.	Sinking Fund.	Serial Bonds.	Interest.	Maintenance.	Total.
Boston	\$62,318 51	\$14,110 84	\$157,769 92	\$108,971 76	\$343,171 03
Brookline	20,951 32	4,744 03	53,041 84	15,403 27	94,140 46
Dedham	2,910 67	659 07	7,368 85	4,284 09	15,222 68
Milton	4,242 44	960 62	10,740 45	3,836 21	19,779 72
Newton	17,985 73	4,072 53	45,533 95	18,791 59	86,383 80
Quincy	11,244 52	2,546 11	28,467 41	19,531 57	61,789 61
Waltham	8,182 82	1,832 84	20,716 21	12,618 60	43,370 47
Watertown	5,821 34	1,318 13	14,737 70	8,762 92	30,640 09
Wellesley	3,638 33	823 83	9,211 07	2,531 51	16,204 74
	\$137,295 68	\$31,088 00	\$347,587 40	\$194,731 52	\$710,702 60

METROPOLITAN SEWERAGE LOAN, SOUTH SYSTEM, SINKING FUND.

BONDS ISSUED AND AMOUNTS ALREADY PROVIDED FOR.	Due Dates.	Sinking Fund Dec. 1, 1922.	Amount of Dec. 1, 1922 Sinking Fund at Ma- turity of Loan, Accu- mulations reckoned at 4 Per Cent.	Balance.	Portion of Balance to be provided for this Year.	Sinking Fund Require- ments for 1923.
\$800,000 (590,000)	Jan., 1930 Sunk.	\$519,867 03	\$685,953 50	\$704,046 50	\$26,401 74	\$20,817 59
839,000 (468,442)	Mar., 1935 Sunk.	342,204 03	550,413 71	757,028 29	25,234 28	16,322 52
65,000 (34,125)	Mar., 1936 Sunk.	24,011 32	40,180 98	58,944 02	1,964 80	1,221 56
1,024,912 (435,588)	July, 1939 Sunk.	272,573 20	523,948 76	936,551 24	31,218 37	16,896 82
3,586,000 (1,404,516)	July, 1940 Sunk.	842,046 00	1,683,998 98	3,306,517 02	110,217 23	57,338 17
996,000 (290,500)	Jan., 1943 Sunk.	160,381 16	354,127 96	932,372 04	31,079 07	14,644 06
392,000 (107,800)	July, 1944 Sunk.	55,254 22	129,471 10	370,328 90	6,172 15	2,740 50
175,000 (42,292)	Jan., 1946 Sunk.	28,465 03	70,781 46	146,510 54	2,441 84	1,021 67
1,000,000 (241,667)	Jan., 1946 Sunk.	136,435 00	339,260 81	902,406 19	15,040 10	6,292 79
\$8,877,912 (3,614,930)	- Sunk.	\$2,381,236 99	\$4,378,137 26	\$8,114,704 74	\$249,769 58	\$137,295 68

METROPOLITAN SEWERAGE LOAN, SOUTH SYSTEM.

Amounts provided for and to be provided for.

BONDS ISSUED.	Due Dates.	Amount provided for.	Amount to be provided for.	1923.
\$800,000	1930	$\frac{1}{8} + \frac{3}{6} + \frac{1}{3} + \frac{9}{60}$	$\frac{2}{30} + \frac{1}{30} + \frac{2}{30} + \frac{1}{30}$	$\frac{3}{60}$
839,000	1935	$\frac{1}{8} + \frac{1}{6} + \frac{7}{6} + \frac{3}{60}$	$\frac{3}{30} + \frac{1}{30} + \frac{2}{30} + \frac{1}{30}$	$\frac{1}{30}$
65,000	1936	$\frac{1}{8} + \frac{1}{6} + \frac{7}{6} + \frac{3}{60}$	$\frac{3}{30} + \frac{1}{30} + \frac{2}{30} + \frac{1}{30}$	$\frac{1}{30}$
1,024,912	1939	$\frac{1}{8} + \frac{1}{6} + \frac{7}{6} + \frac{3}{60}$	$\frac{3}{30} + \frac{1}{30} + \frac{2}{30} + \frac{1}{30}$	$\frac{1}{30}$
3,586,000	1940	$\frac{1}{8} + \frac{1}{6} + \frac{7}{6} + \frac{3}{60}$	$\frac{3}{30} + \frac{1}{30} + \frac{2}{30} + \frac{1}{30}$	$\frac{1}{30}$
996,000	1943	$\frac{1}{8} + \frac{1}{6} + \frac{7}{6} + \frac{3}{60}$	$\frac{3}{30} + \frac{1}{30} + \frac{2}{30} + \frac{1}{30}$	$\frac{1}{30}$
392,000	1944	$\frac{1}{8} + \frac{1}{6} + \frac{7}{6} + \frac{3}{60}$	$\frac{3}{30} + \frac{1}{30} + \frac{2}{30} + \frac{1}{30}$	$\frac{1}{30}$
175,000	1946	$\frac{1}{8} + \frac{1}{6} + \frac{7}{6} + \frac{3}{60}$	$\frac{3}{30} + \frac{1}{30} + \frac{2}{30} + \frac{1}{30}$	$\frac{1}{30}$
1,000,000	1946	$\frac{1}{8} + \frac{1}{6} + \frac{7}{6} + \frac{3}{60}$	$\frac{3}{30} + \frac{1}{30} + \frac{2}{30} + \frac{1}{30}$	$\frac{1}{30}$

SOUTH METROPOLITAN SYSTEM.

Ratios of Contribution on the Basis of the Valuations of 1922 and the Census Returns of 1920. Assessment made by the Metropolitan District Commission.

CITIES AND TOWNS.	State Valuation, Acts of 1922, Chapter 381.	Proportion for Interest, Sinking Funds and Serial Bonds (Per Cent).	Population, U. S. Census 1920.	Proportion for Maintenance and Operation (Per Cent).
Boston	\$352,462,580	45.39	267,093	55.96
Brighton	\$71,929,090		42,102	
Back Bay	75,505,020		25,811	
Roxbury	51,548,680		53,515	
West Roxbury	48,985,420		42,534	
Dorchester	81,723,260		84,922	
Hyde Park	22,771,110		18,209	
Brookline	118,508,990	15.26	37,748	7.91
Dedham	16,456,200 ¹	2.12	10,497 ²	2.20
Milton	23,972,902	3.09	9,382	1.97
Newton	101,750,836	13.10	46,054	9.65
Quincy	63,618,861	8.19	47,876	10.03
Waltham	46,298,771	5.96	30,915	6.48
Watertown	32,967,258	4.24	21,457	4.50
Wellesley	20,563,474	2.65	6,224	1.30
	\$776,599,872	100.00	477,246	100.00

¹ 95.656 per cent of the town valuation, derived from figures certified by the chairman of the board of assessors.
² After deducting 295, population of outer area.

METROPOLITAN PARKS AND SEWERAGE LOANS.

Comparison of Assessments, 1922 and 1923.

CITIES AND TOWNS.	PARKS.		SEWER.	
	1922.	1923.	1922.	1923.
Arlington	\$17,833 20	\$19,248 38	\$23,581 09	\$25,829 70
Belmont	11,589 88	12,547 10	14,981 52	16,281 96
Boston	906,067 40	1,010,501 62	427,338 84	456,954 64
Braintree	7,891 39	8,582 63	-	-
Brookline	57,005 10	63,655 49	90,750 49	94,140 46
Cambridge	100,628 35	109,795 44	144,571 01	157,828 01
Canton	4,763 62	5,189 75	-	-
Chelsea	28,929 75	31,275 30	44,711 33	49,867 26
Cohasset	232 49	206 55	-	-
Dedham	9,567 91	10,493 19	14,483 66	15,222 68
Dover	1,590 48	1,784 01	-	-
Everett	30,573 22	33,288 42	48,187 95	52,968 05
Hingham	5,312 85	5,843 29	-	-
Hull	6,202 72	7,026 45	-	-
Lexington	-	-	6,651 45	7,240 49
Lynn	73,103 30	79,457 72	-	-
Malden	36,664 77	39,184 57	52,262 00	58,089 45
Medford	31,750 13	33,828 23	41,392 91	46,061 71
Melrose	14,037 11	15,293 01	21,359 60	23,547 37
Milton	11,956 29	13,288 41	19,003 62	19,779 72
Nahant	2,430 93	2,727 01	-	-
Needham	6,684 24	7,353 25	-	-
Newton	53,434 25	59,246 15	82,777 50	86,383 80
Quincy	40,881 99	48,561 38	58,561 94	61,789 61
Reading	-	-	9,171 03	10,064 92
Revere	18,992 63	20,512 27	30,006 19	33,426 33
Saugus	6,293 66	6,740 52	-	-
Somerville	65,822 79	70,607 82	95,065 14	106,182 28
Stoneham	6,000 87	6,400 43	8,107 72	9,046 36
Swampscott	8,982 12	9,937 73	-	-
Wakefield	9,598 99	10,433 13	14,649 43	16,212 23
Waltham	26,204 91	28,680 92	41,221 03	43,370 47
Watertown	18,523 99	20,291 23	29,137 72	30,640 09
Wellesley	9,812 11	10,968 53	15,633 97	16,204 74
Weston	3,631 57	4,074 62	-	-
Westwood	1,582 68	1,754 04	-	-
Weymouth	10,442 06	11,311 37	-	-
Winchester	13,052 15	14,495 92	18,994 25	20,285 77
Winthrop	11,541 32	12,553 40	17,617 18	19,472 76
Woburn	11,318 08	12,249 45	17,457 89	19,441 11
	\$1,680,931 30	\$1,859,398 73	\$1,387,676 46	\$1,496,331 97

STATEMENT IV.

CHARLES RIVER BASIN LOAN.

Gross Charles River Basin debt, April 1, 1923:

Bonds outstanding (sinking fund)	\$4,125,000 00	
Bonds outstanding (serial)	263,000 00	
	<hr/>	\$4,388,000 00

a decrease for the year of \$10,000.

Sinking fund, April 1, 1923	1,392,040 45	
	<hr/>	

an increase for the year of \$90,012.92.

Net Charles River Basin debt, April 1, 1923	\$2,995,959 55	
---	----------------	--

a decrease for the year of \$100,012.92.

Total Charles River Basin Assessment for 1923 — District.

Serial bonds		\$10,000 00	
Interest:			
One year on \$4,125,000	\$142,250 00		
Six months on \$273,000	4,930 00		
Six months on \$263,000	4,750 00		
Interest on advances and temporary loans, estimated, 1923	5,000 00		
	<hr/>	\$156,930 00	
Less interest on bridge	\$41,381 82		
Adjustment of interest charges in 1922	1,049 20		
	<hr/>	42,431 02	
			\$114,498 98
Maintenance as appropriated by Legislature	\$199,000 00		
Less balance on hand	6,054 72		
	<hr/>		192,945 28
			<hr/>
Total Charles River Basin district assessment			\$317,444 26

Charles River Bridge.

Sinking fund	\$8,458 36	
Interest	41,381 82	
	<hr/>	\$49,840 18

Boston and Cambridge, one-half each.

CHARLES RIVER BASIN LOAN SINKING FUND.

District.

BONDS ISSUED.	Due Dates.	Sinking Fund Dec. 1, 1922.	Amount of Dec. 1, 1922 Sinking Fund at Maturity of Loan, Accumulations reckoned at 4 Per Cent.	Balance to be provided for.	Sinking Fund Requirements for 1923.
\$177,272 73	Jan., 1944	\$216,541 92	\$497,449 72	-	-
283,636 36	Jan., 1945	371,439 64	887,760 46	-	-
425,454 55	Jan., 1946	359,724 56	894,495 14	-	-
815,454 55	Jan., 1947	463,877 87	1,200,084 68	-	-
283,636 36	Jan., 1948	113,614 06	305,802 23	-	-
692,727 28	Jan., 1949	143,005 94	400,463 55	-	-
336,818 17	Jan., 1950	18,414 81	53,650 83	-	-
\$2,925,000 00	-	\$1,686,618 80 ¹	\$4,239,706 61	-	-

Boston and Cambridge, Charles River Bridge.

\$72,727 27	Jan., 1944	\$28,775 71	\$66,104 83	\$6,622 44	\$206 24
116,363 64	Jan., 1945	46,447 33	111,011 58	5,352 06	155 55
174,545 45	Jan., 1946	56,543 06	140,600 60	33,944 85	922 48
334,545 45	Jan., 1947	91,990 42	237,985 68	96,559 77	2,458 00
116,363 64	Jan., 1948	28,115 33	75,674 88	40,688 76	971 76
247,272 72	Jan., 1949	51,678 43	144,716 56	102,556 16	2,301 40
138,181 83	Jan., 1950	23,971 61	69,840 36	68,341 47	1,442 93
\$1,200,000 00	-	\$327,521 89	\$845,934 49	\$354,065 51	\$8,458 36

¹ Includes \$638,699.15, balance of cost of embankment which is due from city of Boston.

ANALYSIS OF CHARLES RIVER BASIN DEBT, JULY 1, 1923.

DEBT.	Total.	Cambridge, Charles River Bridge.	Boston, Charles River Bridge.	Boston Embank- ment.	District.
Gross debt	\$1,388,000 00	\$600,000 00	\$600,000 00	\$847,636 43	\$2,340,363 57
Sinking fund	1,402,408 00	166,947 28	166,947 27	209,141 50	859,371 95
	\$2,985,592 00	\$433,052 72	\$433,052 73	\$638,494 93	\$1,480,991 62

CHARLES RIVER BASIN LOAN — ASSESSMENT.

(For table of percentages, see page 13.)

CITIES AND TOWNS.	Interest.	Maintenance.	Serial Bonds.	Total.
Arlington	\$1,019 72	\$1,718 35	\$89 06	\$2,827 13
Belmont	681 93	1,149 14	59 56	1,890 63
Boston	65,935 69	111,109 99	5,758 63	182,804 31
Braintree	487 36	821 27	42 57	1,351 20
Brookline	4,383 33	7,386 46	382 83	12,152 62
Cambridge	6,388 26	10,765 02	557 93	17,711 21
Canton	304 05	512 35	26 55	842 95
Chelsea	1,688 57	2,845 45	147 47	4,681 49
Dedham	636 31	1,072 27	55 57	1,764 15
Dover	126 45	213 09	11 04	350 58
Everett	1,907 56	3,214 48	166 60	5,288 64
Hingham	362 00	610 01	31 62	1,003 63
Hull	529 06	891 54	46 21	1,466 81
Lynn	4,489 38	7,565 17	392 09	12,446 64
Malden	1,902 36	3,205 72	166 15	5,274 23
Medford	1,592 56	2,683 66	139 09	4,415 31
Melrose	880 65	1,484 00	76 91	2,441 56
Milton	886 69	1,494 19	77 44	2,458 32
Nahant	193 43	325 95	16 89	536 27
Needham	456 30	768 92	39 85	1,265 07
Newton	3,763 49	6,341 96	328 69	10,434 14
Quincy	2,353 09	3,965 25	205 51	6,523 85
Revere	1,098 02	1,850 31	95 90	3,044 23
Saugus	334 35	563 42	29 20	926 97
Somerville	3,550 49	5,983 03	310 09	9,843 61
Stoneham	304 60	513 30	26 60	844 50
Swampscott	642 64	1,082 93	56 13	1,781 70
Wakefield	589 35	993 13	51 47	1,633 95
Waltham	1,712 47	2,885 72	149 56	4,747 75
Watertown	1,219 37	2,054 79	106 50	3,380 66
Wellesley	760 59	1,281 69	66 43	2,108 71
Weston	239 08	402 89	20 88	662 85
Westwood	114 78	193 43	10 02	318 23
Weymouth	621 30	1,046 98	54 26	1,722 54
Winchester	962 54	1,622 00	84 07	2,668 61
Winthrop	713 39	1,202 15	62 31	1,977 85
Woburn	667 77	1,125 27	58 32	1,851 36
	\$114,498 98	\$192,945 28	\$10,000 00	\$317,444 26 ¹

¹ Exclusive of \$49,840.18, special assessments on Boston and Cambridge, and \$25,476.26, embankment interest on Boston, which are included on page 5.

STATEMENT OF THE DEBTS OF THE METROPOLITAN DISTRICT JULY 1, 1923 (SECTION 11, CHAPTER 10, GENERAL LAWS).

	METROPOLITAN PARKS.	METROPOLITAN PARKS, NANTASKET.	METROPOLITAN PARKS, BOULEVARDS.	METROPOLITAN SEWERAGE, NORTH SYSTEM.	METROPOLITAN SEWERAGE, SOUTH SYSTEM.	METROPOLITAN WATER.	CHARLES RIVER BASIN.	Total.
Bonds outstanding (Sinking Fund)	\$8,785,000 00	\$700,000 00	\$2,567,500 00	\$6,563,000 00	\$8,877,912 00	\$41,308,000 00	\$4,125,000 00	
Bonds outstanding (Serial)	142,250 00	—	1,125,237 50	882,500 00	978,000 00	1,783,000 00	263,000 00	
Gross debt	\$8,927,250 00	\$700,000 00	\$3,692,737 50	\$7,445,500 00	\$9,855,912 00	\$43,181,000 00	\$4,388,000 00	
Sinking funds, July 1, 1923	4,407,136 51	333,484 31	1,206,412 25	3,910,571 23	2,427,568 20	19,670,297 67	1,402,408 00	
Net debt	\$4,520,113 49	\$366,515 69	\$2,486,325 25	\$3,534,928 77	\$7,428,343 80	\$23,510,702 33	\$2,985,592 00 ¹	
	4,515,113 49 ²		2,072,850 25 ²	3,467,428 77 ²			1,480,991 62 ²	
	For percentages see page 13.	For percentages see page 15.	For percentages see page 13.	For percentages see page 27.	For percentages see page 29.	For percentages see page 8.	For percentages see page 13.	
Arlington	\$40,211 14	\$3,256 52	\$18,460 60	\$123,787 21	—	\$234,213 62	\$13,189 56	\$433,118 65
Belmont	26,800 00	2,177 78	12,345 42	82,871 55	—	147,835 30	8,820 45	280,941 49
Boston	2,660,085 44	210,569 02	1,361,559 54	473,650 77	\$3,371,725 25	17,104,364 41	1,024,395 49	27,106,349 92
Braintree	19,218 50	1,556 42	8,823 05	—	—	—	6,303 81	35,901 78
Brookline	172,850 67	13,998 38	79,354 27	—	1,133,565 26	—	56,696 34	1,456,404 92
Cambridge	251,912 38	20,401 23	115,050 83	776,357 30	—	—	515,681 91	1,680,003 64
Canton	11,989 59	970 98	5,504 32	—	—	—	3,832 68	22,337 57
Chelsea	66,586 45	5,392 53	30,569 28	205,271 78	—	602,598 77	21,840 86	932,169 67
Cohasset	—	887 31	—	—	—	—	—	887 31
Dedham	25,092 10	2,032 09	11,519 57	—	157,480 89	—	8,230 40	204,355 05
Dover	4,986 44	403 83	2,289 23	—	—	—	1,635 59	9,315 09
Everett	75,922 17	6,091 90	34,533 86	249,624 24	—	637,657 27	24,673 45	1,027,802 89
Hingham	14,274 82	1,156 05	6,553 45	—	—	—	4,082 25	26,606 57
Hull	20,862 84	1,689 59	9,577 95	—	—	—	6,813 17	38,973 55
Lexington	—	—	—	36,408 00	—	95,947 18	—	132,355 18
Lynn	177,032 71	14,337 07	81,274 21	—	—	—	58,068 08	330,712 07
Malden	75,017 05	6,075 29	37,429 69	249,277 50	—	519,492 48	24,096 16	911,898 17
Medford	62,890 32	5,085 91	32,511 10	183,482 53	—	441,272 37	20,598 98	755,751 21
Melrose	34,727 07	2,812 39	15,942 90	107,143 55	—	234,495 74	11,390 74	406,512 39
Milton	34,965 55	2,831 70	16,052 39	—	229,535 82	136,456 12	11,468 97	431,310 55
Nahant	7,627 61	617 73	3,501 77	—	—	37,852 23	2,501 92	52,101 26
Needham	17,993 47	1,457 21	8,290 65	—	—	—	5,901 99	33,613 32
Newton	150,408 15	12,018 40	68,132 62	—	973,113 04	67,005 50	48,679 09	1,319,857 51
Quincy	92,790 96	7,514 71	168,511 24	—	608,381 36	772,420 61	30,436 14	1,680,055 02
Reading	—	—	—	47,503 77	—	—	—	47,503 77
Revere	—	—	—	134,996 61	—	—	—	134,996 61
Saugus	13,184 62	3,506 60	19,878 27	—	—	397,636 51	14,202 45	613,518 98
	43,299 14	1,067 70	6,052 95	—	—	—	4,324 60	24,629 99

Somerville	.	.	.	.	.	140,008 94	11,338 68	66,806 91	431,348 14	-	1,275,714 22	45,924 00	1,971,140 89
Stoneham	.	.	.	.	.	12,011 66 *	972 77	6,089 45	37,101 49	-	97,569 41	3,939 92	157,684 70
Swampscott	.	.	.	.	.	25,341 60	2,052 30	11,634 11	-	-	141,440 38	8,312 24	188,780 63
Wakfield	.	.	.	.	.	23,240 27	1,882 12	10,669 41	71,429 03	-	-	7,622 98	114,843 81
Waltham	.	.	.	.	.	67,528 83	5,468 85	31,001 91	-	442,729 29	321,062 15	22,149 97	568,878 85
Watertown	.	.	.	.	.	48,084 22	3,894 12	22,075 06	-	314,961 78	-	15,771 99	725,849 32
Wellesley	.	.	.	.	.	29,992 75	2,428 98	13,769 42	-	196,851 11	-	9,837 85	252,880 11
Weston	.	.	.	.	.	10,427 98	763 53	4,928 30	-	-	-	3,092 45	18,612 26
Westwood	.	.	.	.	.	4,526 37	368 57	2,078 02	-	-	-	1,481 68	8,455 64
Weymouth	.	.	.	.	.	24,500 29	1,984 17	11,247 88	-	-	-	8,036 28	45,708 62
Winchester	.	.	.	.	.	37,956 40	3,073 91	17,425 46	116,852 35	-	-	12,449 99	187,758 11
Winthrop	.	.	.	.	.	28,131 57	2,278 25	12,914 97	86,685 72	-	-	9,227 37	324,995 94
Woburn	.	.	.	.	.	26,332 43	2,132 54	12,088 99	81,137 83	-	-	8,637 24	130,329 03
						\$4,518,613 49 ³	\$366,515 69	\$2,376,419 35 ⁴	\$3,504,928 77	\$7,428,343 80	\$23,510,702 33	\$2,985,592 00	\$44,691,115 43

¹ See page 33 for details.² District proportion.³ Exclusive of \$1,500, share of County of Middlesex.⁴ Exclusive of \$112,905.90, share of certain counties and street railways.

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